

REMARKS

Claims 1-20 are all the claims pending in the application, including new claims 9-20 added by the present amendment.

Claims 1-8 are rejected under 35 U.S.C. § 102(e) as being anticipated by Castelli et al. (US 6,141,445; hereafter "Castelli").

Castelli relates to multiresolution lossless/lossy compression and storage of data for efficient processing thereof. The nature of compression being dictated by a quantization equation.

Applicant respectfully traverses the rejection as described below.

For claim 2, Applicant submits that Castelli does not disclose the feature of performing a coefficient transformation process, which corresponds to a desired image processing, on the decoded transformed signals to obtain processed transformed signals which carry a processed image subjected to the desired image processing. The Examiner refers to col. 4, lines 37-41 as allegedly disclosing this feature of the claim, but Applicant disagrees. The cited excerpt relates to an embodiment of lossily encoding data. Both the cited excerpt and FIG. 2, which is referred to in the excerpt, disclose encoding of data. By contrast, decoding is not disclosed here. Hence, the cited excerpt does not disclose performing a coefficient transformation process, which corresponds to a desired image processing, on the decoded transformed signals to obtain processed transformed signals which carry a processed image subjected to the desired image processing.

Also, Castelli does not teach or suggest the feature of performing a coding process on multiresolution transformed signals to obtain coded data. Here, the Examiner refers to FIG. 2;

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step 210 as allegedly disclosing the claimed feature. However, as shown in FIG. 2, the coding performed in step 210 is not performed on multiresolution transformed signals. Instead, the coding of step 210 is performed on subbands (or the blocks that represent the subbands) extracted from the quantized wavelet coefficients. See col. 6, line 38 – col. 7, line 8.

Therefore, claim 2 is not anticipated by Castelli, for at least the above-described reasons.

Applicant submits that claims 4 and 8 are not anticipated by Castelli for reasons analogous to those for claim 2.

With respect to claim 6, Applicant submits that the reference does not teach or suggest all of the limitations of the claim. Specifically, Castelli does not disclose the claimed coefficient transformation means of claim 6. The Examiner cites col. 4, lines 37-41 here, but the cited excerpt fails to disclose the features of the claim. As described above, this excerpt discloses a manner of lossily encoding data. However, the claimed coefficient transformation means is for performing a coefficient transformation process on decoded transformed signals. Col. 4, lines 37-41 is unrelated to processing of decoded transformed signals.

Thus, claim 6 is not anticipated by Castelli.

Similarly, with regard to claims 1, 3, 5 and 7, these claims describe a form of coefficient transform that corresponds to the desired image process. The Examiner's reliance on col. 4, lines 37-41 as teaching this feature is inappropriate, since the cited portion only pertains to obtaining the coefficients (e.g., the multiresolution transform process) in the first instance. There is no further coefficient transform that takes into account the image process. It is noted that Castelli is not concerned with preserving data for an image process, but only is concerned with lossy or lossless compression. See col. 5, generally. Thus, Castelli is concerned with a different aspect

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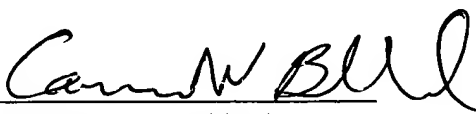
of the wavelet transform in comparison to the invention as claimed. Therefore, Castelli does not teach or suggest performing a coefficient transformation process, which corresponds to a desired image processing, on multiresolution transformed signals to obtain processed transformed signals which carry a processed image subjected to desired image processing.

New claims 9-20 are added to further define the present invention. Claims 9-18 are believed to be allowable, at because of their dependence from claims 1, 3 and 7, respectively. Claims 19 and 20 are believed to be allowable for reasons analogous to those for claims 5 and 6.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,


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